

**Duke Energy Carolinas, LLC**  
**SCPSC Docket No. 2018-319-E**  
**Derivation of Grid Improvement Plan Rates (Phase 1 and Phase 2)**

**Phase 1 Rates (Recovery Period June 2020 through May 2021)**

	Revenue Requirement <sup>1</sup>		Billing Determinants <sup>2</sup>		Proposed Rates	
	(a)	(b)	(c)	(d)	(e) = (a) / (c)	(f) = (b) / (d) * 100
1 Rate Class	Customer	Other	Customer	Sales (kWh)	Customer	Sales (kWh)
2					\$/month	Cents/kWh
3 Residential	\$2,405,177	\$7,457,133	6,084,669	6,557,332,754	\$0.40	0.1137
4 General Service - Small	\$381,665	\$1,176,719	427,320	1,313,565,194	\$0.89	0.0896
5 General Service - Large	\$11,219	\$537,787	12,900	1,287,911,820	\$0.87	0.0418
6 Traffic Signal Service	\$5,933	\$9,926	7,422	2,407,919		0.6586
7 Lighting <sup>3</sup>	\$7,190	\$910,427	659,516	231,149,622		0.3970
8 Industrial Service	\$4,779	\$327,244	12,384	1,137,824,657	\$0.39	0.0288
9 OPT-G	\$22,653	\$934,910	25,106	3,003,946,947	\$0.90	0.0311
10 OPT-I	\$2,283	\$1,887,445	6,009	8,345,112,396	\$0.38	0.0226
11 Total Retail	\$2,840,898	\$13,241,590				
	check	\$0	0	0		

**Phase 2 Rates (Recovery Period June 2021 through May 2022)**

	Revenue Requirement <sup>1</sup>		Billing Determinants <sup>2</sup>		Proposed Rates	
	(a)	(b)	(c)	(d)	(e) = (a) / (c)	(f) = (b) / (d) * 100
12 Rate Class	Customer	Other	Customer	Sales (kWh)	Customer	Sales (kWh)
13					\$/month	Cents/kWh
14 Residential	\$3,424,158	\$8,899,772	6,161,456	6,587,055,254	\$0.56	0.1351
15 General Service - Small	\$543,362	\$1,398,663	428,902	1,317,586,512	\$1.27	0.1062
16 General Service - Large	\$15,972	\$686,112	12,948	1,291,854,603	\$1.23	0.0531
17 Traffic Signal Service	\$8,446	\$10,554	7,449	2,415,291		0.7867
18 Lighting <sup>3</sup>	\$10,236	\$971,620	662,354	231,403,903		0.4243
19 Industrial Service	\$6,804	\$417,581	12,280	1,135,820,273	\$0.55	0.0368
20 OPT-G	\$32,250	\$1,188,376	25,199	3,013,143,161	\$1.28	0.0394
21 OPT-I	\$3,250	\$2,408,169	5,958	8,330,411,707	\$0.55	0.0289
22 Total Retail	\$4,044,478	\$15,980,848				
	check	\$0	0	0		

<sup>1</sup> Revenue requirement is provided in Revised Smith Direct Exhibit No. 3

<sup>2</sup> Billing Determinants are from the Fall 2018 Forecast for the rate recovery period, allocated by rate class and schedule based upon Per Book sales and customer count for the year ended December 2017.

<sup>3</sup> The revenue requirement for outdoor lighting and traffic signal service is recovered solely in an energy rate.

<sup>4</sup> The Revenue Requirement includes the SC Regulatory Fee and SC Gross Receipts Taxes.